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NOTICE OF ALLOWANCE AND FEE(S) DUE

46432

7590

02/25/2010

KLARQUIST SPARKMAN, LLP 121 S.W. SALMON STREET SUITE 1600 PORTLAND, OR 97204

EXAMINER					
LIN, SUN J					
ART UNIT	PAPER NUMBER				

2825

DATE MAILED: 02/25/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/554.139	02/01/2008	Sherif Ahmed Hammouda	1011-72254-01	3186

TITLE OF INVENTION: ANALOG DESIGN RETARGETING

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/25/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	PR	АТТО	RNEY DOCKET NO.	CONFIRMATION NO.
10/554,139	02/01/2008		Sherif Ahmed Hammou	da	1	011-72254-01	3186
ITLE OF INVENTION	: ANALOG DESIGN RE	ETARGETING					
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DU	E PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0		\$1810	05/25/2010
EXAM	INER	ART UNIT	CLASS-SUBCLASS				
LIN, S	SUN J	2825	716-003000				
Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.		(1) the names of up or agents OR, alterna (2) the name of a sin registered attorney o 2 registered patent at	the names of up to 3 registered patent attorneys agents OR, alternatively, the name of a single firm (having as a member a istered attorney or agent) and the names of up to egistered patent attorneys or agents. If no name is ed, no name will be printed.				
PLEASE NOTE: Uni recordation as set fort (A) NAME OF ASSIG	less an assignee is identi h in 37 CFR 3.11. Comp GNEE	oletion of this form is NO	data will appear on the T a substitute for filing a (B) RESIDENCE: (CI	patent. If an assign n assignment. 'Y and STATE OR C	COUNT	TRY)	ocument has been filed for
lease check the appropr	iate assignee category or	categories (will not be pr	rinted on the patent):	Individual C	orporati	on or other private gro	up entity Government
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Advance Order - 1	# of copies		overpayment, to De	posit Account Numb	er	(enclose a	n extra copy of this form).
_ ~ .	tus (from status indicated s SMALL ENTITY statu		☐ b. Applicant is no le	onger claiming SMA	LL EN	ΓΙΤΥ status. See 37 CF	FR 1.27(g)(2).
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46432 75	590 02/25/2010		EXAM	IINER
KLARQUIST SF	PARKMAN, LLP		LIN, S	SUN J
121 S.W. SALMO	N STREET		ART UNIT	PAPER NUMBER
SUITE 1600 PORTLAND, OR	97204		2825 DATE MAILED: 02/25/201	0

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 11 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 11 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)
	10/554,139	HAMMOUDA ET AL.
Notice of Allowability	Examiner	Art Unit
	Sun J. Lin	2825
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to and MPEP 1308.	olication. If not included will be mailed in due course. THIS
1. This communication is responsive to <u>Amendment & Remains</u>		
2. The allowed claim(s) is/are <u>1-3, 5-11 and 13-18, renumber</u>	ed (37 CFR 1.126).	
 Acknowledgment is made of a claim for foreign priority ur All b)	been received. been received in Application No cuments have been received in this i	national stage application from the
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm	itted Note the attached EXAMINED	S AMENDMENT OF NOTICE OF
INFORMAL PATENT APPLICATION (PTO-152) which give		
5. \square CORRECTED DRAWINGS (as "replacement sheets") mus	et be submitted.	
(a) \square including changes required by the Notice of Draftspers	on's Patent Drawing Review (PTO-	948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the C	office action of
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the		
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 		
Attachment(s)	E Notice of Informal D	otant Amplication
1. Notice of References Cited (PTO-892)	5. Notice of Informal P	• •
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary Paper No./Mail Dat	ė
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	7. 🛛 Examiner's Amendn	nent/Comment
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	_	nt of Reasons for Allowance
	9.	

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Art Unit: 2825

DETAILED ACTION

1. This office action is in response to *Amendment and Remarks* filed on $\underline{11/12/2009}$ regarding patent application 10/554,139 filed on $\underline{02/01/2008}$. Claim 4 and Claim 12 have been cancelled. Claims 19-22 are newly added in the aforementioned *Amendment* filed, but they are cancelled latter, with an authorization of applicants' attorney *Robert F. Scotti* given on $\underline{01/28/2010}$, as indicated in *Examiner's Amendment* given below. Claims 1-3, 5-11 and 13-18 remain pending in the application.

Examiner's Amendment

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Firstly, the application has been amended <u>based on the Amendment filed on</u> <u>11/12/2009</u> to correct the following informality:

Claim 1, line 12, change "symmetrical transistor" to —second transistor—.

Secondly, with an authorization given by applicants' attorney *Robert F. Scotti* on January 28, 2010, the application has been amended, <u>based on the Amendment filed</u> on 11/12/2009, as follows:

Claim 1, line 6, after "analyzing;" insert —wherein the converting is performed by a computer—.

Claim 18, line 6, after "device level" insert —using electrical parameters thereof and—.

Claim 18, line 8, after "means for optimization" insert —coupled to the means for converting—.

Claim 18, line 9, after "constraints." delete —.—.

Claims 19 – 22 are cancelled.

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Reasons for Allowance

3. Claims 1 - 3, 5 - 11, and 13 - 18 are allowed over the prior art of record. An examiner's statement of reasons for allowance is given in the following:

Claims 1 - 3 and 5 - 10 are allowed because the prior art does not teach or fairly suggest the following subject matter:

• A method of converting an analog circuit from a source technology to a target technology, the method comprising: <a href="converting the analogy circuit from the source technology to the target technology by analyzing the analogy circuit at a device level and resizing the analogy circuit at the device level based on results of the analyzing, wherein the analyzing the analogy circuit at the device level comprises analyzing a second transistor symmetrical to a first transistor which is in an off mode and propagating results of analyzing the second transistor to the first transistor in combination with other limitations recited in independent Claim 1.

Claims 11 and 13 – 17 are allowed because independent Claim 11 has been amended incorporating allowable subject matter of Claim 12 recited in the *Office Action* mailed on <u>06/12/2009</u>.

Claim 18 are allowed because Claim 18 has been amended incorporating allowable subject matter of Claim 12 recited in the aforementioned *Office Action*.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sun J. Lin whose telephone number is (571) 272–1899. The examiner can normally be reached on Monday to Friday from 9:00am to 6:00pm.

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Art Unit: 2825

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (in USA or CANADA) or 571-272-1000.

/Sun J. Lin/ Primary Examiner, Art Unit 2825